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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/814,228	04/01/2004	Thomas Robbins Tipton	839-1533	5380
30024	7590	10/19/2005	EXAMINER	WHITE, DWAYNE J
NIXON & VANDERHYE P.C. 901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203			ART UNIT	PAPER NUMBER
			3745	

DATE MAILED: 10/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Sv

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	10/814,228	TIPTON ET AL.	
	Examiner	Art Unit	
	Dwayne J. White	3745	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on 01 April 2004.
- 2a) This action is FINAL.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) 6-15 is/are allowed.
- 6) Claim(s) 1-5 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 01 April 2004 is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

<ol style="list-style-type: none"> <li>1)<input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2)<input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3)<input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>7/21/04</u>.</li> </ol>	<ol style="list-style-type: none"> <li>4)<input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.</li> <li>5)<input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6)<input type="checkbox"/> Other: _____.</li> </ol>
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## **DETAILED ACTION**

### ***Specification***

The disclosure is objected to because of the following informalities:

On page 8, line 10, Applicant recites “as best illustrated in Figures 2 and 5”. Applicant has not submitted a Figure 5 in the drawings. The Examiner believes Applicant intended to cite Figure 4.

Appropriate correction is required.

### ***Claim Objections***

Claim 1 is objected to because of the following informalities:

On line 1, “compressor blade” should be --compressor blade comprising--.

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Barr et al. (6,019,580). Barr et al. disclose a compressor blade 30 comprising an airfoil 34 having a leading edge and trailing edge, a base attachment 38 having side faces between end faces and a platform 36 having flanges projecting from opposite sides of the blade and cantilevered over at least

portions of the side faces. The airfoil is carried by the platform with the leading edge overlying a portion of the flange along the pressure side of the blade. Further the end faces of the base attachment face opposite generally axial directions. The side faces have discrete angled and linear wall extending in a generally axial direction.

Claims 1 and 3-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Ganshaw (6,183,202). Ganshaw discloses a compressor blade 18 comprising an airfoil having a leading edge and trailing edge, a base attachment 24 having side faces between end faces and a platform 36 having flanges projecting from opposite sides of the blade and cantilevered over at least portions of the side faces. The airfoil is carried by the platform with the leading edge overlying a portion of the flange along the pressure side of the blade. Further the end faces of the base attachment face opposite generally axial directions. Ganshaw also discloses a compressor wheel 12 that includes a generally axially extending groove have a cross sectional configuration corresponding to the configuration of the base attachment of the blade. The groove also has a recess for receiving the flanges of the blade so as to make the flanges substantially flush with the outer rim of the wheel (Figure 1).

## CONCLUSION

### *Allowable Subject Matter*

Claims 6-11 are allowed.

### *Prior Art*

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

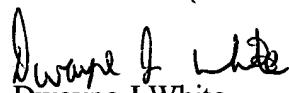
DiBella (US 6,945,754) discloses a rotor blade having a platform and flanges and a wheel wherein the groove of the wheel has recesses for receiving the platform flanges.

***Contact Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dwayne J. White whose telephone number is (571) 272-4825. The examiner can normally be reached on 7:00 am to 4 pm T-F and alternate Mondays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Look can be reached on (571) 272-4820. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Dwayne J White  
Patent Examiner  
Art Unit 3745

DJW

  
EDWARD K. LOOK  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3700

10/17/05